Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/16/2019 09:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125165	0	2.77	125167	2.78
Blue	F	SSC	125000	124274	-1	4.36	124973	4.38
Blue	E	FITC	16694	16562	-1	4.23	384	23.29
Blue	D	PE	32792	32334	-2	3.51	715	17.08
Blue	B	PerCP-Cy5-5	44451	44318	-1	5.06	1209	24.20
Blue	A	PE-Cy7	33645	33965	0	7.54	608	50.62
Red	C	APC	47008	46688	-1	3.19	1802	13.84
Red	A	APC-Cy7	32298	31846	-2	3.08	796	14.30
Violet	B	V450	8961	8791	-2	5.07	489	15.14
Violet	A	V500	32726	31307	-5	4.76	754	11.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20395	4.97	616	3	N/A	N/A	Pass
Blue	F	SSC	56146	3.84	589	21	N/A	N/A	Pass
Blue	E	FITC	64	70.76	573	10	0.0130	57	Pass
Blue	D	PE	141	60.23	577	11	0.1201	293	Pass
Blue	B	PerCP-Cy5-5	219	59.70	683	12	0.0067	61	Pass
Blue	A	PE-Cy7	119	126.30	739	13	0.0081	26	Pass
Red	C	APC	410	29.48	617	4	0.0178	113	Pass
Red	A	APC-Cy7	196	32.23	588	3	0.0045	1050	Pass
Violet	B	V450	72	71.81	484	-2	0.0400	2240	Pass
Violet	A	V500	106	36.28	492	-4	0.0178	507	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.72	-32.08	1.13
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	16.32	13.60 - 20.40	N/A	N/A	28.90	29.61	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11558

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments